

Program System Architecture Diagram

COLLABORATIVE VIRTUAL WORKSPACE

CVW

(Hardware/software allocation with identification of major platforms, components running on each, external system interfaces)

Not Available at this time

Portability and Interoperability Restrictions: (Known or anticipated) None Known

Platform and Interface Details

(Cover each platform from the diagram)

COLLABORATIVE VIRTUAL WORKSPACE

CVW

PLATFORM H/W: CVW server system

Sparc20 Model 61

Memory: 32 MB (for up to 20 users); 64 MB (for up to 100 users)

Disk space: 25 MB

Swap space: 128 MB (for up to 100 users)

The use of X-Windows for non-Unix clients requires additional memory for optimal performance. The server should be configured with a minimum of 96 MB RAM to support 20 users, with 128 MB RAM preferred.

PLATFORM OS: Solaris 2.4

OTHER COTS SYSTEM SOFTWARE: Mosaic and/or Netscape, Visual Audio Tool (vat), Network Video (nv), MITRE whiteboard (mwb)

APIs AND STANDARDS SUPPORTED: (Including communications protocols and standards)

MOO protocol, TCP/IP

CVW

PLATFORM H/W: CVW client system

Suggested Hardware Platform: Sparc10 Model 71 with SX graphics (24-bit graphics)

Minimum Hardware Platform: Sparc5 Model 85 with S24 graphics (24-bit graphics)

Memory: 32 MB

Disk space: 20 MB

Sun microphone for audio conferencing

Sun Multimedia Kit with SunVideo card and camera for video conferencing

GRAPHICS REQUIREMENTS FOR THE CVW CLIENT:

The CVW will experience screen flashes on an 8-bit graphics system. 24-bit graphics is preferred.

AUDIO AND VIDEO CONFERENCING SUPPORT:

Audio and video conferencing is only supported on the native CVW platforms (Unix workstations). PC-based clients using X-Windows cannot participate in audio and video conferencing.

Group audio and video conferencing require multicast routing enabled on the participating systems if the participating systems do not reside on the same subnet. If the systems do not reside on the same subnet, the Sun-supplied multicast tunneling patch, mrouted, must be installed to enable multicast traffic to span subnets.

PC X-SERVER REQUIREMENTS:

PC-based clients relying on an X-Server should have a display resolution of 1024x768x256. PC clients should have sufficient system memory to run local applications and X-Windows.

PLATFORM OS: Solaris 2.4

OTHER COTS SYSTEM SOFTWARE: Mosaic and/or Netscape, Visual Audio Tool (vat), Network Video (nv), MITRE whiteboard (mwb)

APIs AND STANDARDS SUPPORTED: (Including communications protocols and standards)

MOO protocol, TCP/IP